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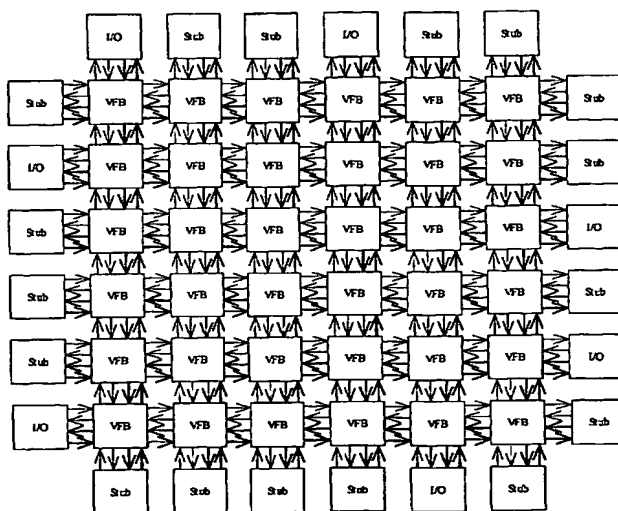
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(54) Title: **SYSTEM AND METHOD FOR MESSAGE PASSING FABRIC IN A MODULAR PROCESSOR ARCHITECTURE**



Messenger Interconnected Processor Array

(57) Abstract: The invention provides a system and method of providing a message passing fabric in a modular processing system where a plurality of processing elements (VFBs), access other available processing elements to provide a message passing fabric where the fabric asynchronously establishes routes for synchronous messages from an origin processing element to a destination processing element to permit an operation to occur at the destination processing element in a flexible, efficient, self-routing and real-time dynamically optimized manner.

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